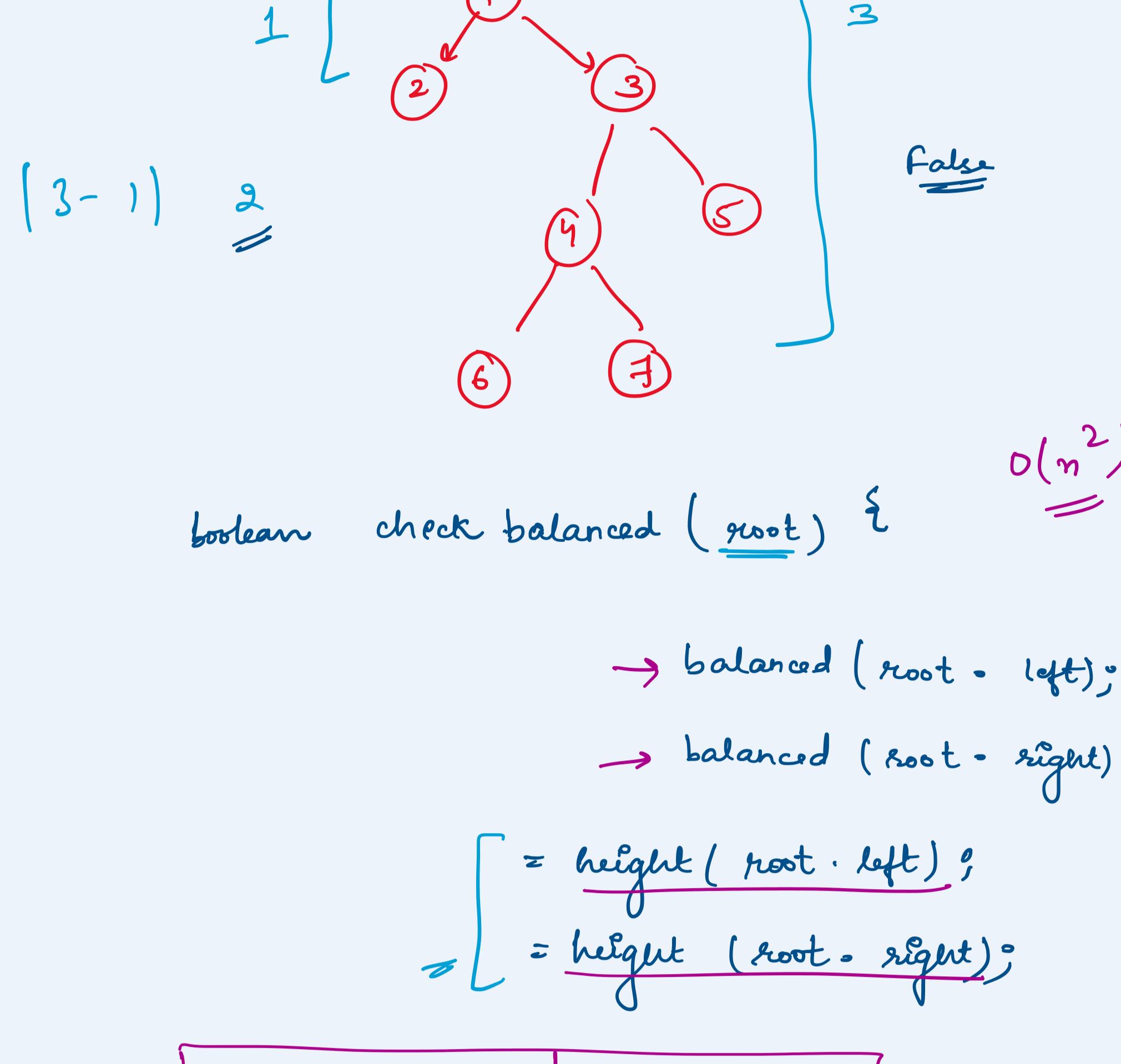
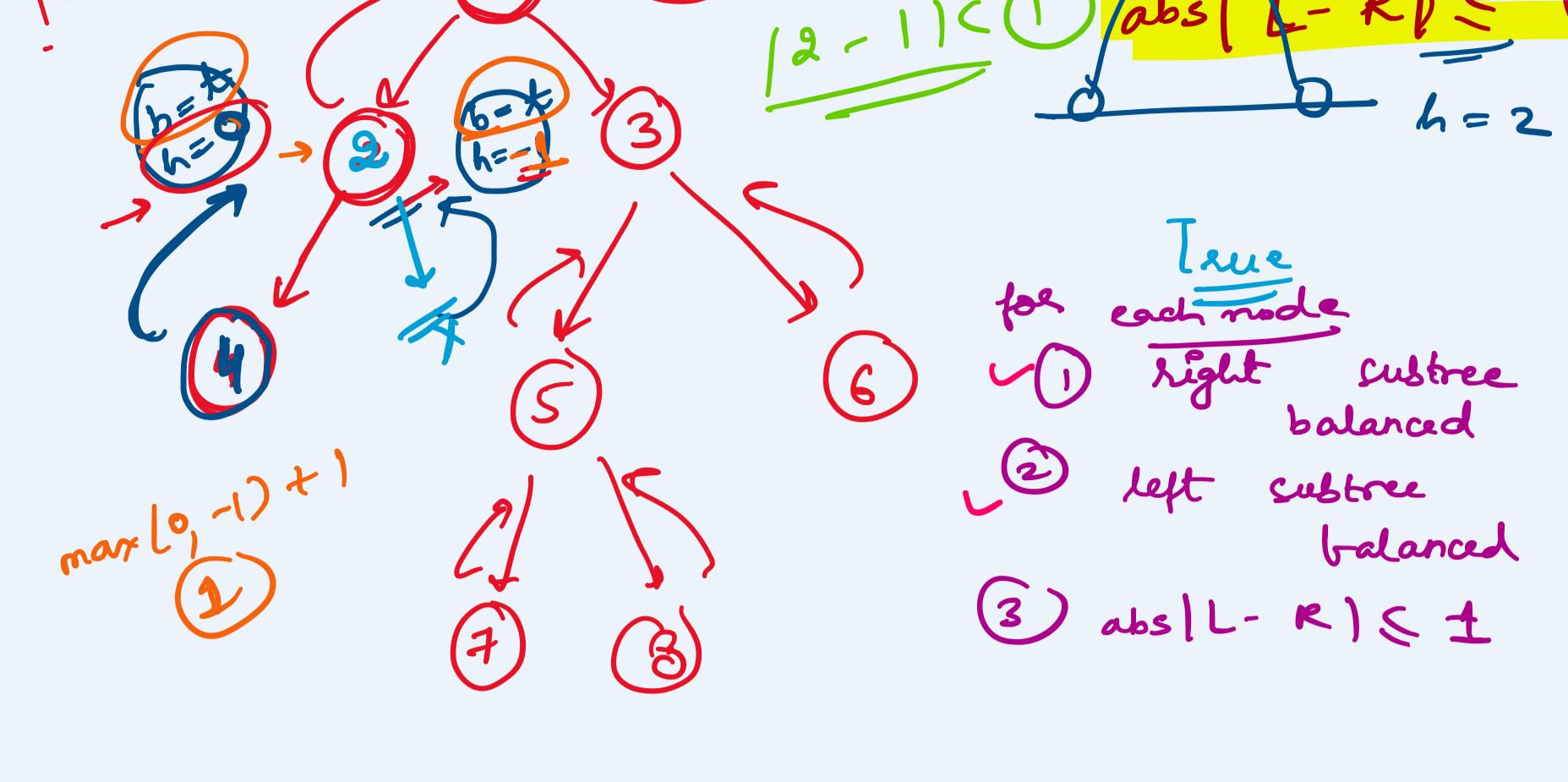


Q Given a binary tree, check if the tree is height balanced or not.

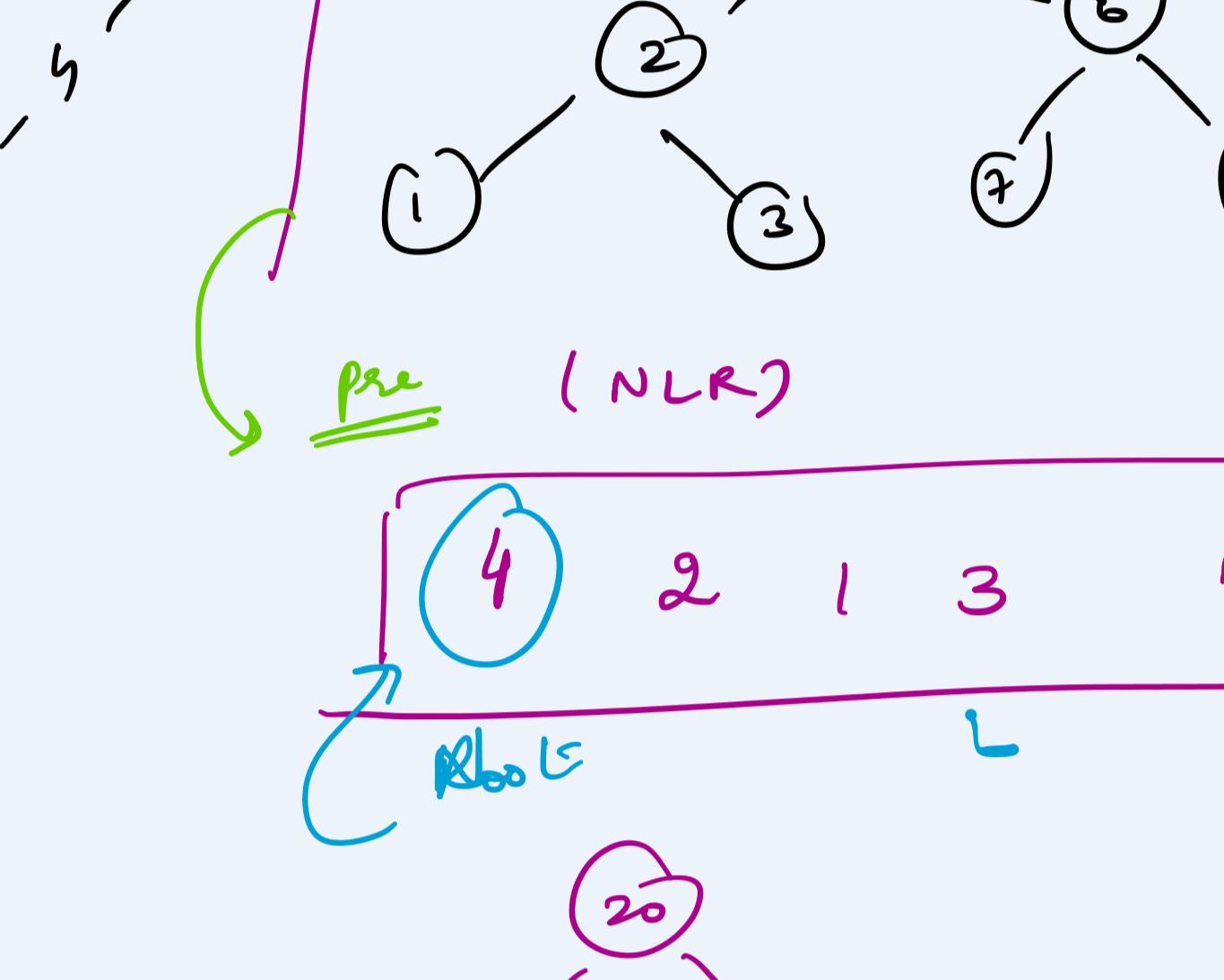
A height balanced tree has a absolute difference b/w the height of L and R subtree for every node 0 or 1



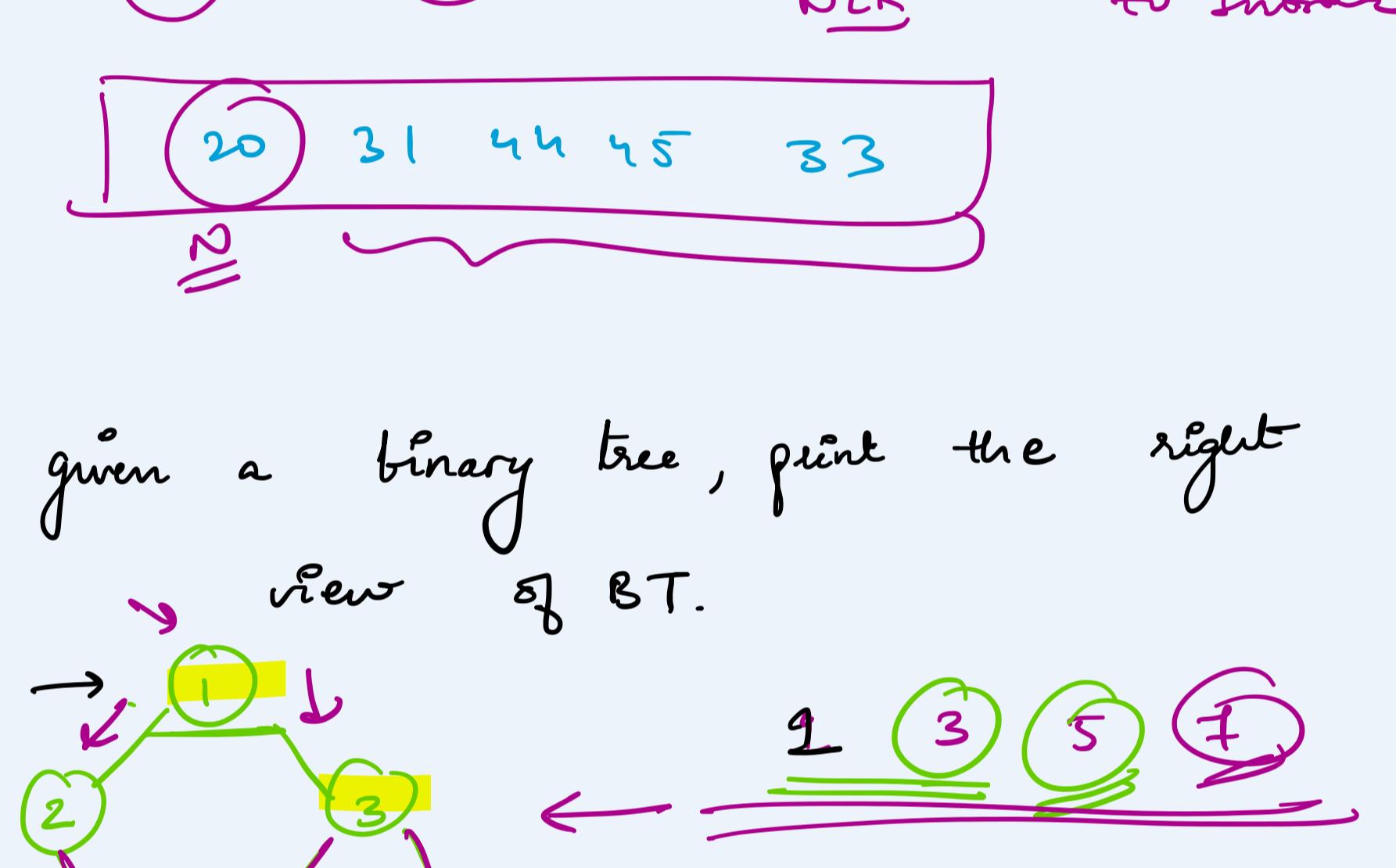
boolean check balanced (root) {  
 $O(n^2)$

    → balanced (root = left);  
    → balanced (root = right);

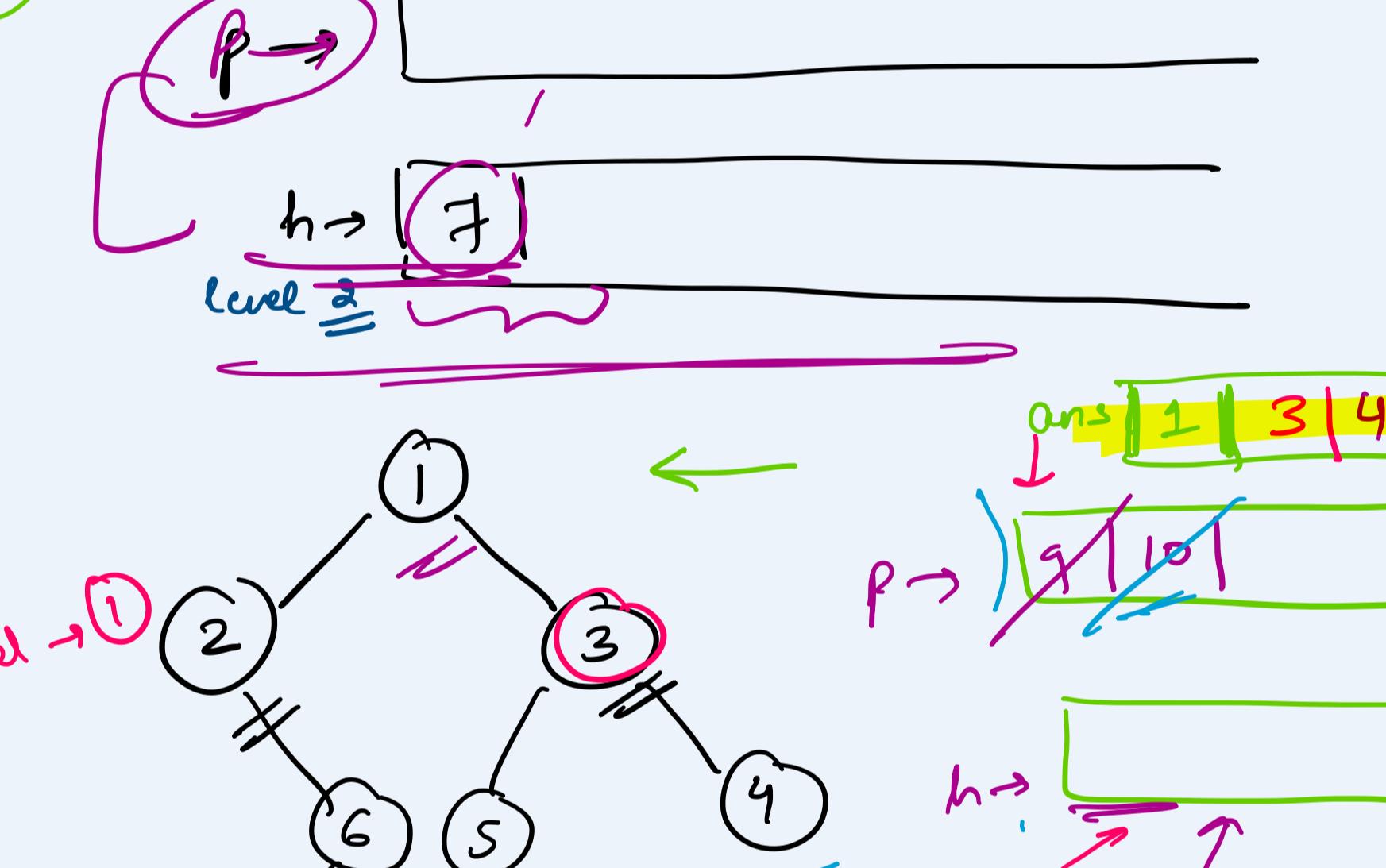
    = [height (root = left);  
    = height (root = right);]



1 2 3 4 5 6 7 8



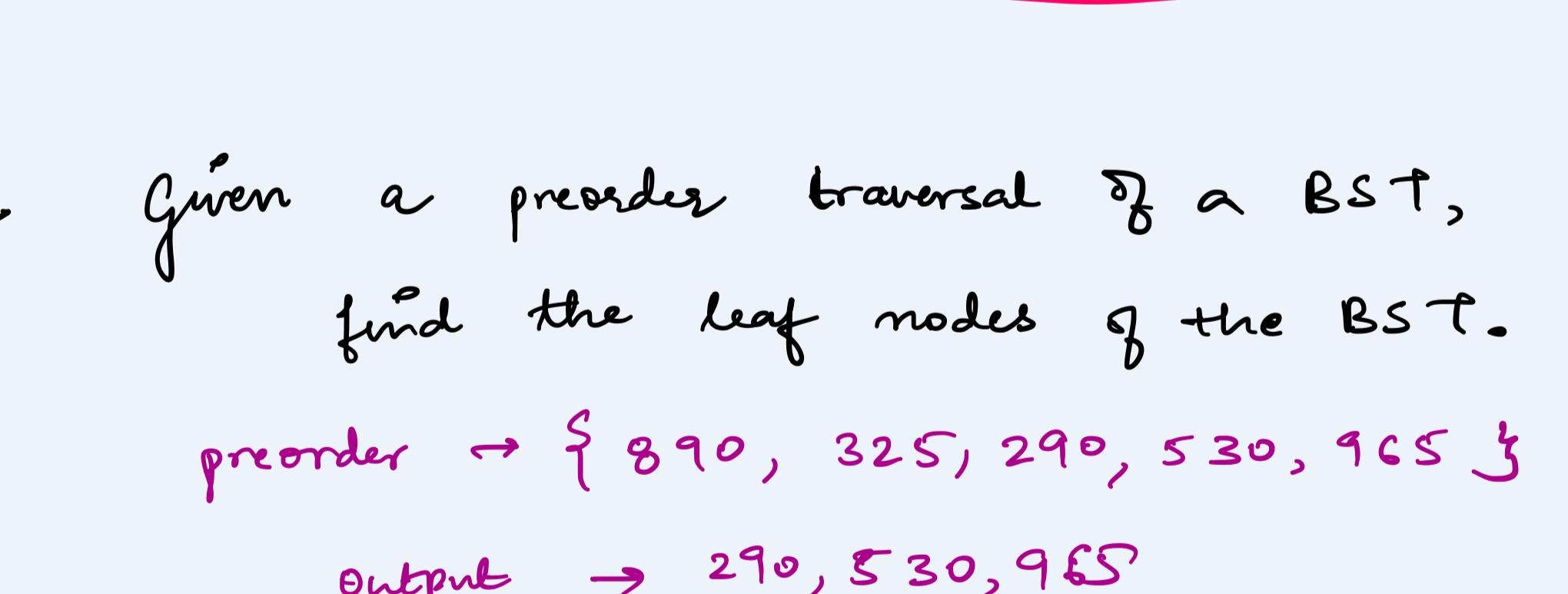
pre (NLR)      Root



20 31 44 45 83

10

Q Given a binary tree, print the right view of BT.



Level → 1 2 3 4 5 6 7 8

1 → 1 2 3 4 5 6 7 8

2 → 1 2 3 4 5 6 7 8

3 → 1 2 3 4 5 6 7 8

4 → 1 2 3 4 5 6 7 8

5 → 1 2 3 4 5 6 7 8

6 → 1 2 3 4 5 6 7 8

7 → 1 2 3 4 5 6 7 8

8 → 1 2 3 4 5 6 7 8

9 → 1 2 3 4 5 6 7 8

10 → 1 2 3 4 5 6 7 8

11 → 1 2 3 4 5 6 7 8

12 → 1 2 3 4 5 6 7 8

13 → 1 2 3 4 5 6 7 8

14 → 1 2 3 4 5 6 7 8

15 → 1 2 3 4 5 6 7 8

16 → 1 2 3 4 5 6 7 8

17 → 1 2 3 4 5 6 7 8

18 → 1 2 3 4 5 6 7 8

19 → 1 2 3 4 5 6 7 8

20 → 1 2 3 4 5 6 7 8

21 → 1 2 3 4 5 6 7 8

22 → 1 2 3 4 5 6 7 8

23 → 1 2 3 4 5 6 7 8

24 → 1 2 3 4 5 6 7 8

25 → 1 2 3 4 5 6 7 8

26 → 1 2 3 4 5 6 7 8

27 → 1 2 3 4 5 6 7 8

28 → 1 2 3 4 5 6 7 8

29 → 1 2 3 4 5 6 7 8

30 → 1 2 3 4 5 6 7 8

31 → 1 2 3 4 5 6 7 8

32 → 1 2 3 4 5 6 7 8

33 → 1 2 3 4 5 6 7 8

34 → 1 2 3 4 5 6 7 8

35 → 1 2 3 4 5 6 7 8

36 → 1 2 3 4 5 6 7 8

37 → 1 2 3 4 5 6 7 8

38 → 1 2 3 4 5 6 7 8

39 → 1 2 3 4 5 6 7 8

40 → 1 2 3 4 5 6 7 8

41 → 1 2 3 4 5 6 7 8

42 → 1 2 3 4 5 6 7 8

43 → 1 2 3 4 5 6 7 8

44 → 1 2 3 4 5 6 7 8

45 → 1 2 3 4 5 6 7 8

46 → 1 2 3 4 5 6 7 8

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48 → 1 2 3 4 5 6 7 8

49 → 1 2 3 4 5 6 7 8

50 → 1 2 3 4 5 6 7 8

51 → 1 2 3 4 5 6 7 8

52 → 1 2 3 4 5 6 7 8

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97 → 1 2 3 4 5 6 7 8

98 → 1 2 3 4 5 6 7 8

99 → 1 2 3 4 5 6 7 8

100 → 1 2 3 4 5 6 7 8

101 → 1 2 3 4 5 6 7 8

102 → 1 2 3 4 5 6 7 8

103 → 1 2 3 4 5 6 7 8

104 → 1 2 3 4 5 6 7 8

105 → 1 2 3 4 5 6 7 8

106 → 1 2 3 4 5 6 7 8

107 → 1 2 3 4 5 6 7 8

108 → 1 2 3 4 5 6 7 8

109 → 1 2 3 4 5 6 7 8

110 → 1 2 3 4 5 6 7 8

111 → 1 2 3 4 5 6 7 8

112 → 1 2 3 4 5 6 7 8

113 → 1 2 3 4 5 6 7 8

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